



Home | Log in | Logout | Access Information | Alerts | Purchase History |
Welcome United States Patent and Trademark Office

Search Results

BROWSE

SEARCH

IEEE Xplore GUIDE

Results for "((tunneling devices)<in>metadata")

Your search matched 440 of 1813383 documents.

A maximum of 100 results are displayed, 25 to a page, sorted by Relevance in Descending order.



Modify Search

((tunneling devices)<in>metadata)

Search

Check to search only within this results set

Display Format. Citation Citation & Abstract

[Search Options](#)

[View Session History](#)

[New Search](#)

[Key](#)

IEEE JNL	IEEE Journal or Magazine
IET JNL	IET Journal or Magazine
IEEE CNF	IEEE Conference Proceeding
IET CNF	IET Conference Proceeding
IEEE STD	IEEE Standard

IEEE/IET

Books

Educational Courses

A

IEEE/IET journals, transactions, letters, magazines, conference proceedings, and

[view selected items](#)

[Select All](#) [Deselect All](#)

View: 1

1. Noise-tolerant quantum MOS circuits using resonant tunneling devices
Li Ding; Mazumder, P.;
Nanotechnology, IEEE Transactions on
Volume 3, Issue 1, March 2004 Page(s):134 - 146
Digital Object Identifier 10.1109/TNANO.2003.820787
[AbstractPlus](#) | [References](#) | [Full Text: PDF\(736 KB\)](#) [IEEE JNL](#)
[Rights and Permissions](#)
2. Simulation study of tunneling devices with quantum confinement in sou
Katayama, Y.; Laux, S.E.;
Device Research Conference, 2004. 62nd DRC. Conference Digest [Late Ne
21-23 June 2004 Page(s):95 - 96 vol.1
Digital Object Identifier 10.1109/DRC.2004.1367800
[AbstractPlus](#) | [Full Text: PDF\(220 KB\)](#) [IEEE CNF](#)
[Rights and Permissions](#)
3. On Circuit Theories for Single-Electron Tunneling Devices
Hoekstra, J.;
Circuits and Systems I: Regular Papers, IEEE Transactions on [Circuits and S
Theory and Applications, IEEE Transactions on]
Volume 54, Issue 11, Nov. 2007 Page(s):2353 - 2359
Digital Object Identifier 10.1109/TCSI.2007.907797
[AbstractPlus](#) | [Full Text: PDF\(359 KB\)](#) [IEEE JNL](#)
[Rights and Permissions](#)
4. A novel application of resonant tunneling devices in high performance c
Li Ding; Mazumder, P.;
Nanotechnology, 2003, IEEE-NANO 2003, 2003 Third IEEE Conference on
Volume 2, 12-14 Aug. 2003 Page(s):520 - 523 vol. 2
Digital Object Identifier 10.1109/NANO.2003.1230961
[AbstractPlus](#) | [Full Text: PDF\(364 KB\)](#) [IEEE CNF](#)
[Rights and Permissions](#)

SIMON-A simulator for single-electron tunnel devices and circuits

5. Wasshuber, C.; Kosina, H.; Selberherr, S.; Computer-Aided Design of Integrated Circuits and Systems, IEEE Transactions on Volume 16, Issue 9, Sept. 1997 Page(s):937 - 944 Digital Object Identifier 10.1109/43.658562 AbstractPlus | References | Full Text: PDF(224 KB) IEEE JNL Rights and Permissions

6. Three-terminal silicon surface junction tunneling device for room temperature Koga, J.; Toriumi, A.; Electron Device Letters, IEEE Volume 20, Issue 10, Oct. 1999 Page(s):529 - 531 Digital Object Identifier 10.1109/55.791932 AbstractPlus | References | Full Text: PDF(80 KB) IEEE JNL Rights and Permissions

7. Highly Reliable 90-nm Logic Multitime Programmable NVM Cells Using Nanometer-Engineered Tunneling Devices Bin Wang; Hoc Nguyen; Yanjun Ma; Paulsen, R.; Electron Devices, IEEE Transactions on Volume 54, Issue 9, Sept. 2007 Page(s):2526 - 2530 Digital Object Identifier 10.1109/TED.2007.903199 AbstractPlus | Full Text: PDF(441 KB) IEEE JNL Rights and Permissions

8. Reliability of a 90nm Embedded Multi-time Programmable Logic NVM Cell Using Nanometer-Engineered Tunneling Device Bin Wang; Yanjun Ma; Horch, A.; Paulsen, R.; Reliability physics symposium, 2007, proceedings, 45th annual, ieee international 15-19 April 2007 Page(s):662 - 663 Digital Object Identifier 10.1109/RELPHY.2007.370001 AbstractPlus | Full Text: PDF(2352 KB) IEEE CND Rights and Permissions

9. Comparison of measured and computed conversion loss from a resonant multiplier Sammut, C.V.; Cronin, N.J.; Microwave and Guided Wave Letters, IEEE [see also IEEE Microwave and Wireless Letters] Volume 2, Issue 12, Dec. 1992 Page(s):486 - 488 Digital Object Identifier 10.1109/75.173403 AbstractPlus | Full Text: PDF(188 KB) IEEE JNL Rights and Permissions

10. Observation of intrinsic bistability in resonant tunnelling devices Alves, E.S.; Eaves, L.; Henini, M.; Hughes, O.H.; Leadbeater, M.L.; Sheard, F.; Pate, M.A.; Electronics Letters Volume 24, Issue 18, 1 Sept. 1988 Page(s):1190 - 1191 AbstractPlus | Full Text: PDF(140 KB) IET JNL

11. Study of electronic transport in tunnelling devices using an incoherent source of dependent wave packets Oriols, X.; Sune, J.; Computational Electronics, 2000. Book of Abstracts, IWCE Glasgow 2000, 7th on 22-25 May 2000 Page(s):59 - 60 Digital Object Identifier 10.1109/IWCE.2000.869921 AbstractPlus | Full Text: PDF(180 KB) IEEE CND Rights and Permissions

12. Ultrafast circuits and systems using quantum devices
Mazumder, P.;
Frontiers in Electronics, 1997. WOFE '97. Proceedings., 1997 Advanced Wor
6-11 Jan, 1997 Page(s):145 - 150
Digital Object Identifier 10.1109/WOFE.1997.621183
AbstractPlus | Full Text: PDF(440 KB) IEEE CNT
Rights and Permissions

13. Circuit simulation of resonant tunneling devices using NDR-SPICE
Mohan, S.; Mazumder, P.; Haddad, G.I.;
Electron Devices Meeting, 1994. Technical Digest., International
11-14 Dec, 1994 Page(s):229 - 232
Digital Object Identifier 10.1109/IEDM.1994.383424
AbstractPlus | Full Text: PDF(260 KB) IEEE CNT
Rights and Permissions

14. Digital circuit applications of resonant tunneling devices
Mazumder, P.; Kulkarni, S.; Bhattacharya, M.; Jian Ping Sun; Haddad, G.I.;
Proceedings of the IEEE
Volume 86, Issue 4, April 1998 Page(s):664 - 686
Digital Object Identifier 10.1109/5.663544
AbstractPlus | References | Full Text: PDF(544 KB) IEEE JNL
Rights and Permissions

15. Simulation and Design of Nanocircuits With Resonant Tunneling Device
Wang, J.M.; Sukhwani, B.; Padmanabhan, U.; Dongsheng Ma; Sinha, K.;
Circuits and Systems I: Regular Papers, IEEE Transactions on [Circuits and S
Theory and Applications, IEEE Transactions on]
Volume 54, Issue 6, June 2007 Page(s):1293 - 1304
Digital Object Identifier 10.1109/TCSI.2007.895529
AbstractPlus | Full Text: PDF(1294 KB) IEEE JNL
Rights and Permissions

16. Resonant interband tunneling device with multiple negative differential i
Berestford, R.; Luo, L.F.; Longenbach, K.F.; Wang, W.I.;
Electron Device Letters, IEEE
Volume 11, Issue 3, March 1990 Page(s):110 - 112
Digital Object Identifier 10.1109/55.46950
AbstractPlus | Full Text: PDF(240 KB) IEEE JNL
Rights and Permissions

17. RF excitation of an oscillator with several tunneling devices in series
Boric-Lubecke, O.; Dee-Son Pan; Itoh, T.;
Microwave and Guided Wave Letters, IEEE [see also IEEE Microwave and W
Letters]
Volume 4, Issue 11, Nov. 1994 Page(s):364 - 366
Digital Object Identifier 10.1109/75.329707
AbstractPlus | Full Text: PDF(236 KB) IEEE JNL
Rights and Permissions

18. A novel multiple-valued logic gate using resonant tunneling devices
Waho, T.; Chen, K.J.; Yamamoto, M.;
Electron Device Letters, IEEE
Volume 17, Issue 5, May 1996 Page(s):223 - 225
Digital Object Identifier 10.1109/55.491836
AbstractPlus | References | Full Text: PDF(256 KB) IEEE JNL
Rights and Permissions

Comparing carbon nanotube transistors - the ideal choice: a novel tunn

19. Appenzeller, J.; Yu-Ming Lin; Knobch, J.; Zhihong Chen; Avouris, P.;
Electron Devices, IEEE Transactions on
Volume 52, Issue 12, Dec. 2005 Page(s):2568 - 2576
Digital Object Identifier 10.1109/TED.2005.859654
AbstractPlus | Full Text: PDF(1456 KB) IEEE JNL
Rights and Permissions

20. Quantum limited detection in tunnel junction mixers
Tucker, J.;
Quantum Electronics, IEEE Journal of
Volume 15, Issue 11, Nov 1979 Page(s):1234 - 1258
AbstractPlus | Full Text: PDF(2720 KB) IEEE JNL
Rights and Permissions

21. Si/SiGe resonant tunnelling devices separated by surrounding polysilicon
Konig, U.; Kuist, M.; Luy, J.-F.; Schaffler, F.;
Electronics Letters
Volume 25, Issue 17, 17 Aug. 1989 Page(s):1169 - 1171
AbstractPlus | Full Text: PDF(280 KB) IET JNL

22. Si multidot single-charge tunnelling devices
Tabe, M.; Nuryadi, R.; Ikeda, H.; Ishikawa, Y.;
Solid-State and Integrated Circuits Technology, 2004. Proceedings. 7th Intern
Volume 1, 18-21 Oct. 2004 Page(s):630 - 633 vol.1
Digital Object Identifier 10.1109/ICSIOT.2004.1435084
AbstractPlus | Full Text: PDF(301 KB) IEEE CNF
Rights and Permissions

23. SOI MOSFET-based quantum tunneling device - FIBTET
Kyung Rok Kim; Hyun Ho Kim; Ki-Whan Song; Jung Im Huh; Jong Duk Lee; I
Device Research Conference, 2004, 62nd DRC. Conference Digest [Late Ne
21-23 June 2004 Page(s):217 - 218 vol.1
Digital Object Identifier 10.1109/DRC.2004.1367872
AbstractPlus | Full Text: PDF(278 KB) IEEE CNF
Rights and Permissions

24. Challenges in integration of Resonant Interband Tunnel Devices with CMOS
Sudirgo, S.; Curanovic, B.; Rommel, S.L.; Hirschman, K.D.; Kurinec, S.K.; Ni
P.R.; Thompson, P.E.;
University/Government/Industry Microelectronics Symposium, 2003. Proceed
30 June-2 July 2003 Page(s):275 - 278
AbstractPlus | Full Text: PDF(332 KB) IEEE CNF
Rights and Permissions

25. Low cost manufacture of high frequency tunnel device systems
Kelly, M.J.;
Terahertz Electronics Proceedings, 2002, IEEE Tenth International Conference
9-10 Sept. 2002 Page(s):85 - 88
Digital Object Identifier 10.1109/THZ.2002.1037596
AbstractPlus | Full Text: PDF(351 KB) IEEE CNF
Rights and Permissions

View: 1